

50-38 JelVest Investment (Project 96-32S) (12/96)

JelVest is a carbon-free, fine-grain, phosphate-bonded investment for casting noble-metal and base-metal alloys. It can be used with either a metal ring or a ringless technique. The investment comes in three different-size pouches and a bulk quantity. JelVest liquid concentrate is sold separately; a high-expansion liquid for use with base-metal alloys is also available.

Manufacturer/Source:

J.F. Jelenko & Co.
99 Business Park Drive
Armonk, NY 10504
(800) 431-1785
(914) 273-9379 FAX

Suggested Retail Price:

Price	Catalog Number	Quantity	Recommended Liquid
\$107.50	258016	144 X 60-g pouches	1 quart, 1 pint
\$128.00	258017	144 X 90-g pouches	2 quarts, 1 pint
\$74.50	258018	10 X 1-kg pouches	2 quarts
\$22.50	258015	20 X 90-g pouches	1 pint

Price	Catalog Number	Quantity	Recommended Liquid
\$12.50	258019	Quart (0.95 L)	JelVest Liquid
\$10.00	258030	Pint (475 mL)	JelVest High Expansion Liquid
\$7.00	258020	Pint (475 mL)	JelVest Liquid

Government Price:

Price	Catalog Number	Quantity	Recommended Liquid
\$80.65	258016	144 X 60-g pouches	1 quart, 1 pint
\$96.00	258017	144 X 90-g pouches	2 quarts, 1 pint
\$55.88	258018	10 X 1-kg pouches	2 quarts
\$16.88	258015	20 X 90-g pouches	1 pint

Price	Catalog Number	Catalog Number	Recommended Liquid
\$ 9.38	258019	Quart (0.95 L)	JelVest Liquid
\$7.50	258030	Pint (475 mL)	JelVest High Expansion Liquid
\$5.25	258020	Pint (475 mL)	JelVest Liquid

ADVANTAGES:

- + Evaluators reported smoother castings with JelVest than with their regular investment.
- + Evaluators reported that implant frameworks and fixed partial dentures made using JelVest did not need adjustment or soldering to improve their fit.

DISADVANTAGES:

- One out of four evaluators reported extremely short working times (i.e., less than a minute).

SUMMARY AND CONCLUSIONS:

The majority of evaluators stated they preferred JelVest to their present investment. Two test locations switched to Jelvest because they were so favorably impressed by the product. Evaluators reported a complete absence of roughness on Olympia® castings when examined using a stereo microscope at 10X magnification. This reduced the amount of adjustment required during laboratory and clinical try-in. A number of prostheses were made with this investment including porcelain fused-to-metal units, complete gold units, and acid-etch units. JelVest was equally effective when used with the ring or ringless technique. Removing the casting from the investment requires procedures similar to procedures used for Hi-Temp™ investment. JelVest has a completely homogenous mix and a creamy consistency. The government price is within a few dollars of Hi-Temp™ investment. The cause of the shortened working time is undetermined; however, Jelenko recently reported that it has lengthened the investment's working time. **JelVest Investment** is rated **Acceptable** for use by the federal dental services.